

REMARKS

Applicant wishes to thank the Examiner for notice that Claim 22 recites allowable subject matter and would be allowable if rewritten in independent form.

Applicant respectfully traverses and requests reconsideration.

Claims 1-2, 5-9, and 21 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Application No. 2003/0015792 to Urakawa ("Urakawa"). Additionally, Claims 3-4, 10-16 and 23 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Urakawa as applied to Claims 1-2, 5-9 and 21 as provided above and further in view of U.S. Patent No. 6,243,817 to Melo ("Melo"). With respect to Claims 1 and 21, Applicant's response addresses both rejections simultaneously for purposes of brevity and because amended Claims 1 and 21 include limitations from claims originally rejected under both sections of U.S. Code. As noted in the Advisory Action mailed December 20, 2005, the subject matter in Claim 22 "in fact recites allowable subject matter." Accordingly, Applicant respectfully submits that Claim 1 contains subject matter based on that of previously presented and allowable Claim 22 wherein "the information router is operative to route the system instructions between a processor external to the standard dimension carrier substrate via an external processor bus, the graphics controller via an internal graphics controller bus and the system memory." Applicant further notes that Claim 1 has been amended to also include the limitations of originally filed Claims 2-3. Claims 2-3 have been cancelled. Similarly, Claim 21 has been amended to directly incorporate the allowable limitations of previously presented Claim 22. For this reason alone, Claims 1 and 21 are in proper condition for allowance.

With respect to Claim 10, Applicant respectfully repeats the relevant remarks made above with respect to allowable Claims 1 and 21. Specifically, Applicant notes that Claim 10

has also been amended to include subject matter based on that of previously presented and allowable Claim 22 wherein “the north bridge is operative to route the system instructions between a processor external to the standard dimension carrier substrate via an external processor bus, the graphics controller via an internal graphics controller bus and the system memory.” Claim 10 has further been amended to include the limitations of originally filed Claim 11. Claims 11 has been cancelled.

Additionally, Applicant respectfully notes that with respect to Claim 10, the Advisory Action failed to address Applicant’s previous remarks directed at Melo. For instance, in the Response filed October 19, 2005, Applicant noted that “Melo is not directed to an integrated circuit having carrier substrates as claimed . . . [and thus] appears to describe all external packages which Applicant’s invention attempts to overcome.” (Pg. 3.) Accordingly, Applicant again submits that Melo does not disclose an analogous package as suggested by the Examiner in the Final Office Action mailed July 19, 2005. (Pg. 4.)

Applicant respectfully draws the Examiner’s attention to FIG. 1 of the present application where a prior art north bridge 100 is electrically coupled to the DIMM 102 (i.e., system memory) via a plurality of external connections 104. (See also Pg. 4, ll. 22-23.) Thus, it is without consequence that Melo describes individual computer components such as north bridge 14 and system memory 18 where the north bridge 14 contains a memory controller which allows communication to and from system memory 18 presumably over a port in the same manner in which north bridge 14 is described as utilizing a port to connect to a graphics accelerator 20. (Col. 4, ll. 51-56; FIG. 1.) Because Melo is not directed toward Applicant’s claimed subject matter but toward the prior art and because Claim 10 has been amended to include allowable subject matter, Applicant further submits Claim 10 for immediate allowance.

Additionally, Applicant notes that Claims 4-6 and 12 have been amended to reflect a change in dependency. With respect to Claims 4-9, 12-16 and 23, Applicant respectfully repeats the relevant remarks made above and further notes that the aforementioned claims contain novel and non-obvious subject matter not contained in any combination of Urakawa and Melo. Accordingly and because Claims 4-9, 12-16 and 23 depend upon allowable base claims, Applicant respectfully submits that the Claims are allowable over the cited prior art.

Applicant respectfully submits that the Claims are in condition for allowance and that a timely Notice of Allowance be issued in this case. The Examiner is invited to contact the below-listed attorney if the Examiner believes that a telephone conference will advance the prosecution of this application.

Respectfully submitted,

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